



Tucson Electric Power

Solar 101 Presentation

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Renewable Energy Programs Residential & Commercial

	Residential	Non-Residential
Biomass/Biogas	X	X
Daylighting		X
Geothermal	X	X
Small Hydro	X	X
Small Wind	X	X
Solar Electric	X	X
Solar Space Cooling	X	X
Solar H2O Heating/Space Heating	X	X
Pool Heating		X



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Who Can Participate in our Rebate Programs?

- All customers who are within TEP territory
 - On-Grid and Off-Grid
- Residential and Commercial customers





Residential Solar Hot Water

- Most Cost-Effective way to get renewable technologies on home
- \$750 + \$0.25/kWh estimated over 1 year
- Paid as an Up-Front Incentive with a maximum of \$1,750.
- Average system size is 2,750 kWh per year
- Systems can have electric or gas backup



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Solar Hot Water

Typical 3,000 KWH system

Est. cost.. \$4,500

TEP incentive \$1,500

Fed tax credit \$ 900

AZ tax credit \$ 750

Total incentive
and tax credits \$3,150
(est.)





Solar Photo Voltaics (PV)

- Most popular renewable technology in the Tucson area
- \$3.00 per DC Watt, can pay up to 20 kW or \$60,000
- Paid as an Up-Front Incentive
- Average systems are 4 kW





Solar PV

3 KWDC Residential PV
system-\$20,000

TEP Incentive
(\$3 per DC Watt) \$9,000

Fed Tax Credit
(30%, after TEP
incentive) \$3,300

AZ Tax Credit
(25%) \$1,000

Total incentive &
Credits \$13,300





Commercial Programs

- More programs than residential
 - Incentives are both UFI and PBI





Basic Incentives

- Solar Hot Water
 - \$750 + \$0.50/kWh estimated over 1 year
 - 35,000 kWh cap with a maximum of \$17,500
 - Larger systems are PBIs
- Solar PV
 - \$2.50 per DC watt for systems 100 kW AC or less
 - Larger systems are PBIs



•Thank You!

